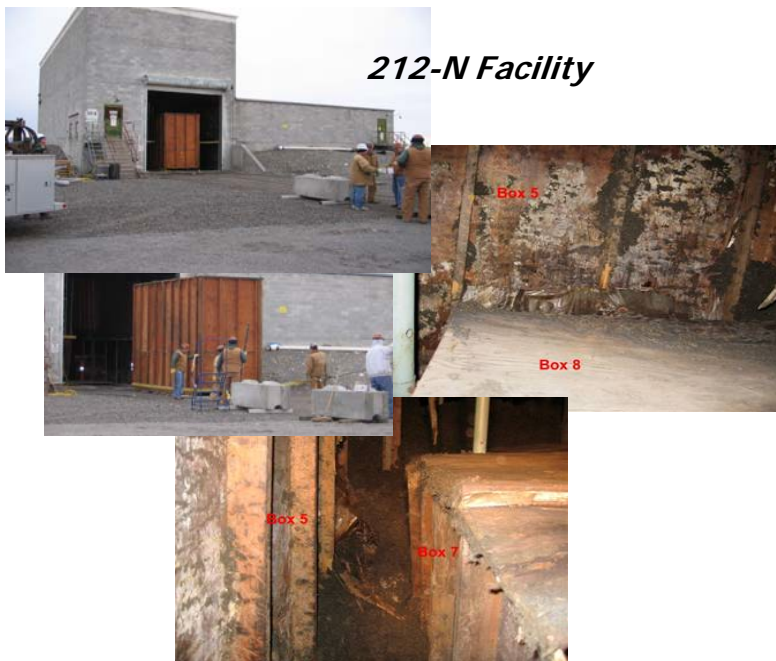


Nuclear Facility Deactivation and Decommissioning (D&D), Remainder of Hanford (RL-0040)

**R. E. Wilkinson, Vice President of Central Plateau
Remediation/(509) 373-9841**

**R. G. Slocum, Vice President of Closure Services and
Infrastructure/(509) 372-1843**

**B. H. Ford, Vice President, Soil and Water Remediation,
Groundwater/Vadose Zone/(509) 372-8123**



212-N Facility

Significant deterioration of the crates



***Beginning demolition:
10 Miscellaneous Structures***



Telecommunications repeater facility



A-4 borehole sampling

Overview

This section addresses Project Baseline Summary (PBS) RL-0040, *Nuclear Facility Deactivation and Decommissioning (D&D), Remainder of Hanford*. There are three major components to this work scope:

- Central Plateau Remediation (CPR) (R. E. Wilkinson),
- Waste Site RI/FS Process (B. H. Ford), and
- Reliability Projects (R. G. Slocum).

NOTE: Unless otherwise noted, all information contained herein is as of the end of December 2006.

Notable Accomplishments

PBS RL-0040, Nuclear Facility D&D, Remainder of Hanford

External Independent Review (EIR)

- Received Draft EIR Report from LMI
- Completed factual accuracy review

Central Plateau D&D Project

200-UW-1 U Plant Zone Waste Site Remediation

- Phase I video of the U-361 tank was completed four months ahead of schedule

200 North Sites – Remove, Treat and Dispose (RTD)

- Remedial Action Work Plan revised with RL's latest comments

U Plant

- Draft A, Remedial Design/Remedial Action Work Plan for the 221-U Facility and Systems Engineering Management Plan for the 221-U Facility were transmitted to RL

212-N Facility

- Removal of insulation surrounding 15 large crates of Plutonium contaminated equipment stored for more than 40 years in the facility
- Resolved issue with "90 day clock" and crate retrieval
- Removal of first undamaged crate, number 19
- Completed DSA Implementation
- Vendor for shipping container has been selected

Deactivation and Decommissioning

- Completed demolition preparation activities and began demolition of 10 Miscellaneous Structures
 - Currently 8 of 10 complete

Reliability Projects:

- Completed L-598, *Near Term Repairs – Repeater Facilities*, near term construction activities on December 31, 2006

Closure Projects:

200-MW-1, Miscellaneous Waste Group

- Completed A-4 borehole to 296 ft, several weeks ahead of schedule and under budget
- Submitted the Addendum to the 200-TW-1/2 OU Group RI/FS Plan on December 26, 2006 (TPA Milestone M-013-51)

FY 2007 Funds vs. Spend Forecast (\$M)

		Projected FY 2007 Funding	FY 2007 Fiscal Year Spend Forecast	Variance
RL-0040	Nuclear Facility D&D, Remainder of Hanford	\$ 78.1	\$ 65.8	\$ 12.2

FY 2007 Schedule/Cost Performance (\$M)

		Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance \$	Schedule Variance %	Cost Variance \$	Cost Variance %	Budget At Completion
RL-0040	Nuclear Facility D&D, Remainder of Hanford	\$12.4	\$10.7	\$10.2	-\$1.7	-13.7%	\$0.5	4.3%	\$66.9
Total		\$12.4	\$10.7	\$10.2	-\$1.7	-13.7%	\$0.5	4.3%	\$66.9

Numbers are rounded to the nearest \$0.1M.

Schedule Performance (-\$1.7M/-13.7%):

The unfavorable schedule variance (SV) for Central Plateau D&D Project (CP D&D) (-\$0.9M) is due to not performing U8/U12 Barrier work scope due to delays in approval of the Record of Decision (-\$0.2M); delays in approval of the Contaminated Equipment-Special Packaging Authorization (CE-SPA) for the 212N Inventory Reduction work scope (-\$0.3M); and delays in demolition of 10 facilities resulting from loss of D&D workers, (-\$0.4M).

The unfavorable schedule variance in Closure Projects (-\$1.0M) is due to the following: (1) delays in Ecological sampling resulting from delays in SAP approval and lack of sampling resources (-\$0.3M), (2) BC Cribs work completed in prior years (-\$0.1M), (3) delays in SW-2 field work and studies resulting from resources being utilized to perform a full Data Quality Objective (DQO), which is taking longer than planned due to large number of regulatory participants (-\$0.4M), (4) delays in IS-1 pipeline mapping due to lack of resources (-\$0.1M), and (5) delays in engineering studies/miscellaneous (-\$0.1M).

The favorable SV for Reliability Projects (+\$0.2M) is within established thresholds.

Cost Performance (+0.5M/+4.3%):

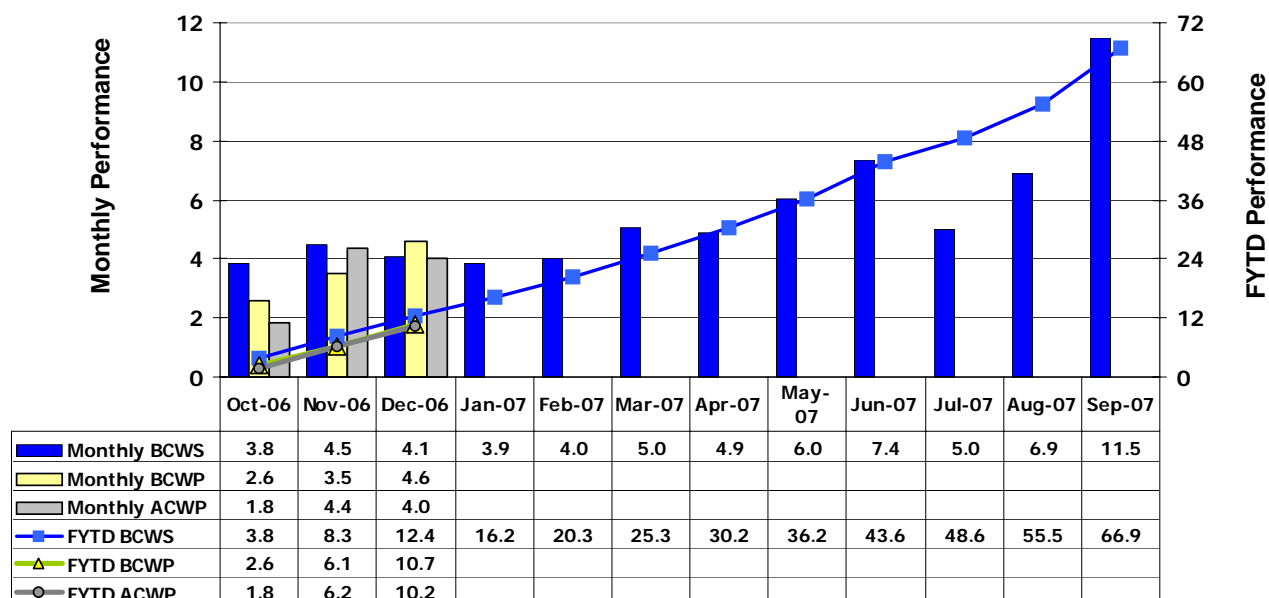
The favorable cost variance (CV) for CP D&D (+\$0.4M) is due to the correction of contract accruals for Environmental Restoration Disposal Facility (ERDF) 200-W-42 Pipeline removal (+\$0.3M), efficiencies from using Surveillance and Maintenance (S&M) staff on level of effort work as well as discrete work scope (+\$0.3M), offset by lagging relocation costs from FY 2006, and additional costs associated with the EIR preparations (-\$0.2M).

The favorable CV for Closure Projects (+\$0.3M) is due to drilling progress at the A-4 borehole resulting in cost efficiencies.

The unfavorable CV for Reliability Projects (-\$0.2M) is within established thresholds.

FY 2007 Schedule/Cost Performance (\$M), continued

Performance Analysis FYTD and Monthly (\$M)



Milestones/Performance Objectives Achievement

PBS	MSN	Milestone Title	Type	Due Date	Actual Date	Forecast Date	Status / Comments
RL-0040	M-015-45A	Submit 200-PW-1 OU Remedial Investigation Report	HQ	10/31/06	9/28/06		Completed ahead of schedule
RL-0040	M-091-40L-012	Quarterly Burial Ground vent/substrate sampling results (1st Qtr 2007)	HQ	12/1/06	11/1/06		Completed ahead of schedule
RL-0040	M-091-40L-013	Quarterly Burial Ground vent/substrate sampling results (2nd Qtr 2007)	HQ	3/15/07			On schedule
RL-0040	M-015-46B	Chemical Laboratory Waste OUs Feasibility Study	HQ	3/31/07		12/31/11	Behind schedule. M-15 tentative agreement changes date to 2011.
RL-0040	RL40.3a CPDD-07-011	Project Execution Plan reflective of an integrated groundwater source approach	RL	3/31/07			On schedule
RL-0040	RL40.2a CPDD-07-009	Draft "A" Excavation Treatability Test plan (including SAP) for the 200 Area BC Cribs and Trenches	RL	5/31/07			On schedule
RL-0040	M-091-40L-014	Quarterly Burial Ground vent/substrate sampling results (3rd Qtr 2007)	HQ	6/1/07			On schedule

Continued on next page

Milestones/Performance Objectives Achievement, continued

PBS	MSN	Milestone Title	Type	Due Date	Actual Date	Forecast Date	Status / Comments
RL-0040	MR.RL40.9c CPDD-07-001	Safety basis document defining appropriate controls to allow disposition of U Plant Cell 30 tank contents	RL	6/30/07			On schedule
RL-0040	MR.RL40.11	Ten High Risk Industrial Facilities Demolished to Slab on Grade	RL	6/30/07			On schedule
RL-0040	MR.RL40.9a CPDD-07-003	U Plant Canyon Facility Waste Acceptance Study	RL	6/30/07			On schedule
RL-0040	MR.RL40.12 CPDD-07-004	212-N nuclear facility hazard reduction and downgrade completed	RL	6/30/07			On schedule
RL-0040	MR.RL40.9b D&D-07-001	U Plant Accelerated Closure Engineering Studies		6/30/07			On schedule
RL-0040	MR.RL40.10 CPDD-07-005	Three 200-CW-3, 200 North Cooling Water Group, waste sites remediated under the remove, treat, and dispose alternative	RL	7/31/07			On schedule
RL-0040	M-091-40L-015	M-91-40L.4C Quarterly Burial Ground vent/substrate sampling results (4th Qtr 2007)	HQ	8/31/07			On schedule
RL-0040	M-015-45B CPDD-07-006	Submit Draft A Feasibility Study and Proposed Plan for the 200-PW-1/3/6 Operable Unit Group.	HQ	9/30/07			On schedule
RL-0040	RL40.3b CPDD-07-007	Central Plateau Cleanup and Configuration Control Specification document	RL	9/30/07			On schedule